



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

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July 21, 2020

Ms. Leslie Gallagher, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Suite 170
Sacramento, CA 95821

Re: Annual Report of Progress

Dear Ms. Gallagher,

In accordance with the requirements of Government Code §65007 (a) and the Urban Level of Flood Protection Criteria issued by the Department of Water Resources in 2013, Three Rivers Levee Improvement Authority, as the local flood management agency, respectfully submits the enclosed annual report of progress towards providing an urban level of flood protection to the Reclamation District 784 urban area.

This report is available to the public at the following website: www.trlia.org

Questions on the matter may be referred to Ms. Claire Marie Turner at turner@mbkengineers.com or 916-456-4400.

Sincerely,

Paul G. Brunner, P.E.
Executive Director

cc: Kevin Mallen, Yuba County
Willie Whittlesey, YWA
Patrick Meagher/RD784



THREE RIVERS LEVEE IMPROVEMENT AUTHORITY

ADEQUATE PROGRESS TOWARDS URBAN LEVEL OF FLOOD PROTECTION

ANNUAL REPORT

JULY 2020

PURPOSE

In June 2016, Yuba County adopted a finding of adequate progress (APF) toward an Urban Level of Flood Protection (ULOP) for the urban area protected by the RD 784 Levee System. When a local agency makes an APF, as described in the *Urban Level of Flood Protection Criteria* (ULOP Criteria), issued by the Department of Water Resources (DWR) in 2013, Government Code Section 65007 (a) (5) requires the Local Flood Management Agency annually report to the Central Valley Flood Protection Board (CVFPB) on the progress toward the completion of the flood protection system. This report serves as that Annual Report. As required by the ULOP Criteria, this report, as well as prior reports, is publicly available at www.trlia.org.

ADEQUATE PROGRESS FINDING

Yuba County's APF was based on several supporting documents including, TRLIA's *Substantial Evidence Engineer's Report, Urban Level of Protection, RD 784 Levee System* (Engineer's Report), dated May 2016 and TRLIA's *Adequate Progress Finding towards an Urban Level of Flood Protection Report for the Reclamation District 784 Levee System* (APF Report), dated June 2016. These documents collectively describe an attainable, reasonable approach toward providing an urban level of flood protection for the RD 784 urban area by 2025. Specifically, these documents describe the RD 784 Levee System and the urban area it protects; provide substantial evidence, including data and references, demonstrating the levee system will provide an urban level of flood protection; and the scope, schedule, cost and identified sources of funding and their expected timing to provide an urban level of flood protection. The Engineer's Report and APF Report are hereby incorporated by reference. Pursuant to DWR's ULOP Criteria, a finding based on adequate progress has an effective period of 10 years or until the finding is superseded, whichever is sooner, provided that the adequate progress requirements per California Government Code Section 65007(a) are met. Based upon this criterion, the APF made by Yuba County is valid until December 31, 2025,¹ so long as the requirements of Government Code §65007(a) are met by TRLIA as the Local Flood Management Agency.

PROGRESS

The APF Report identified two levee construction projects as being necessary to provide an urban level of flood protection: the WPIC West Levee Standard Project (WPIC Project) and the 200-Year Goldfields Levee Project (Goldfields Project). Progress on these projects is described below.

WPIC WEST LEVEE STANDARD PROJECT

The WPIC west levee is considered a critical feature for providing an urban level of flood protection to the RD 784 urban area. Construction of the project began in 2016 and was completed in late 2017. Technical

¹ Pursuant to Government Code Sections 65865.5, 65962, and 66474.5, for area protected by SPFC levees, an urban level of flood protection shall be achieved by 2025, therefore, after 2025, a local agency can no longer rely on findings of adequate progress after 2025 for an area protected by SPFC levees. The levees protecting the RD 784 basin being improved by TRLIA are or will be SPFC levees.

review of the DMM cutoff wall construction occurred following construction and through April 2019. The WPIC west levee now meets ULDC.

Scope

The scope identified in the APF Report for the WPIC Project (Table 1) has been accomplished. However, TRLIA has committed to installing piezometers as a resiliency measure for the deep mix method cutoff wall. The piezometers are estimated to cost \$50,000 and be installed in 2020.

Table 1. Scope and Status

CRITICAL FEATURES – WPIC WEST LEVEE	CONSTRUCTION STATUS
Station 9+50 to 24+50; 70-Ft-Deep Deep Mix Method Cutoff Wall	<i>Completed (Reported in 2019)</i>
Station 115+00 to 119+00; Fill Landside Low Area (Minimum of 3 Feet)	<i>Completed (Reported in 2018)</i>
Station 135+00 to 309+00; Landside Levee Toe All-Weather Maintenance Road	<i>Completed (Reported in 2018)</i>
Station 144+50 to 167+50; 50-Ft-Deep Conventional Cutoff Wall	<i>Completed (Reported in 2018)</i>
Station 190+10 to 216+00; Drained Berm, 2.5-Foot High by 18-Foot Wide in Conjunction with the Toe Maintenance Road	<i>Completed (Reported in 2018)</i>
Station 238+50 to 248+50; 50-Ft-Deep Conventional Cutoff Wall	<i>Completed (Reported in 2018)</i>
Station 259+00 to 278+00; 10-Foot-Tall by 10-Foot-Wide Landside Stability Berm	<i>Completed (Reported in 2018)</i>
Station 286+00 to 300+00; Fill Landside Low Area (Minimum of 3.5 Feet)	<i>Completed (Reported in 2018)</i>
RESILIENCY FEATURES – WPIC WEST LEVEE	CONSTRUCTION STATUS
Piezometers (3) between Station 19+00 and 23+00	<i>2020</i>

Schedule

Construction of critical features necessary to certify the levee is complete. The three piezometers will be installed in 2020.

Costs and Expenditures

TRLIA has spent approximately \$14,098,707 on the WPIC Project through March 2020. As described above, planning and design were completed in 2016. Construction was completed in 2017. In addition to construction, other outstanding activities include the completion of construction documentation report, O&M Manual revisions, construction certification, etc. Since the last annual report, TRLIA has committed to also install piezometers.

The 2019 Adequate Progress Report projected expenditures in FY 2018-19 of \$3,975,484 and little to no expenses in FY 2019-20. Actual expenses in FY 2018-19 were approximately \$3,320,835 and in FY 2019-20 are \$43,423 through March. As noted above, there are only minor expenses (approximately \$50,000) remaining to be incurred in FY 2020-21. These remaining expenses are solely associated with project's

closeout. An updated combined TRLIA ULOP Adequate Progress Pro Forma cash flow has been included within this report (Table 7) after a discussion of funding and revenues.

Table 2. Costs and Expenditures

COSTS	ORIGINAL ESTIMATE	EXPENDED*	REVISED ESTIMATE
Design	\$1,371,000	\$1,355,681	\$1,400,000
Permitting & Env. Doc.	\$759,000	\$1,568,469	\$1,600,000
Right of Way Acquisition	\$609,000	\$223,183	\$250,000
Right of Way Support	\$323,000	\$319,452	\$350,000
Construction Management	\$1,501,000	\$2,031,257	\$2,150,000
Construction	\$11,167,000	\$8,600,665	\$9,000,000
O&M Manual Addendum	\$50,000	\$-	\$50,000
Total	\$15,780,000	\$14,098,707	\$14,800,000
*Dollars expended reflect the amount of all invoices paid as of the date this report was prepared and therefore may not reflect all costs incurred.			

Delays and Changes

Construction of the WPIC Project is complete. Additional activities continue to document construction and close-out the project

200-YEAR GOLDFIELDS PROJECT

The Yuba River south levee extension, proposed as part of the 200-Year Goldfields Project, is considered a critical feature for providing an urban level of flood protection to the RD 784 urban area. The proposed levee extension will protect the RD 784 urban area from flood flows traveling through the Goldfields that would outflank the existing Yuba River South Levee.

Scope

The scope identified in the APF Report for work in Goldfields is generally the same as TRLIA's 200-Year Goldfields Levee Project: to provide an urban level of flood protection through a levee extension south of the Goldfields. Based on a proposed alignment modification, refined hydraulic modeling, and review of existing and new data and information, the levee extension is expected to be approximately 2.6 miles in length. Planning (e.g., environmental compliance, real estate activities, etc.) and design for the refined alignment are currently underway. The status of construction of this feature remains the same: to be completed (

Table 3).

Table 3. Scope and Status

CRITICAL FEATURE – Yuba River left (south) levee	CONSTRUCTION STATUS
Construction of levee extension south of the Goldfields	Underway

Schedule

The schedule for the 200-Year Goldfields Project is generally unchanged from the prior annual report. However, real estate continues to be finalized. Three acquisitions are outstanding but are expected to be complete by the end of 2020. The status of milestones is as included in (Table 4).

Table 4. Milestones and Status

MILESTONE	SCHEDULED	STATUS
Sign Funding Agreement	August 2017	<i>Achieved in October 2017.</i>
Complete Design	December 2019	<i>Achieved December 2019.</i>
Complete Environmental Permitting	December 2019	<i>Achieved June 2014.</i>
CVFPB Permits Issued	December 2019	<i>Achieved February 2020.</i>
Real Estate Access for Construction Obtained	May 2020	<i>Being finalized. End of 2020.</i>
Award Construction Contract	March 2020	<i>Achieved April 2020.</i>
Initiate Construction	May 2020	<i>Achieved May 2020.</i>
Complete Construction	October 2022	<i>On Target. Ahead of schedule.</i>

Costs and Expenditures

Through March 2020, TRLIA has spent approximately \$5.475 million advancing the 200-Year Goldfields Project. TRLIA's efforts on the 200-Year Goldfields Project over the past year have been focused on accomplishing CEQA and development of the 65% designs. The costs of 200-Year Goldfields project have been updated to conform to the structure of TRLIA's UFRR funding agreement with DWR and are summarized below (

Table 5). Specifically, those costs related to the final project that will be implemented that have been incurred through March 2019 are summarized below.

Table 5. Costs and Expenditures

COSTS	UPDATED ESTIMATE*	EXPENDED TO MARCH 2020
Grant Application	\$25,100	\$25,040
Program Management	\$2,250,000	\$1,770,676
Design and ROW Support	\$5,650,000	\$4,440,592
Environmental Review and Permitting	\$1,300,000	\$983,533
Right of Way Acquisition	\$7,174,515	\$5,609,654
Construction, Mitigation, and Other Project Activities	\$37,463,115	\$252,894
Closeout Processes	\$95,700	\$3
Total	\$53,958,430	\$13,082,392
*This table conforms the format of budget and expense reporting provided to DWR in support of TRLIA's UFRF Grant for the 200-Year Goldfields Levee Project.		

The 2019 APR projected expenditures in FY 2018-19 of \$2,838,578 and in FY 2019-20 of \$23,244,267. Actual expenses in FY 2018-19 were \$2,834,604 and in FY 2019-20 are now projected to be approximately \$5,904,780. An updated combined TRLIA ULOP Adequate Progress Pro Forma cash flow has been included within this report (Table 7) after a discussion of funding and revenues.

Delays and Changes

There have been no delays or changes to the scope or schedule of the Goldfields Project since the last annual report. TRLIA is still on target to complete the Goldfields project prior to June 30, 2025.

FUNDING / REVENUES

Funding related to the WPIC Project is not discussed because construction is complete. TRLIA's funding to advance the Goldfields Project comes from both TRLIA funds and the State of California funds as described below.

Goldfields State Revenues

In October 2017, TRLIA executed a funding agreement with DWR through its UFRF program that provides 85% cost sharing up to \$32.6 million (approximately 79% of the current estimated costs). The 2019 APR projected revenues for the Goldfields (labeled as DWR Goldfields Funds) in FY 2018-19 of \$1,755,726. Actual revenues in FY 2018-19 were the same. In the 2019 APR, TRLIA projected revenues for the Goldfields of \$17,781,660 million in FY 2019-20. Actual revenues in FY 2019-20 are projected to be \$10,555,192. TRLIA has updated the revenue projections for the project as shown in **Table 7**.

Local Revenues

As described in the APF Report, TRLIA's local revenues come from cash balances and revenues from the Yuba Levee Financing Authority (YLFA). In September 2016, the YLFA refinanced their outstanding debt, and, as part of that process, advanced more than \$6.7 million to TRLIA. In addition, the Yuba Water Agency has agreed to advance to TRLIA additional funding as needed to complete right of way acquisition for the Goldfields project in order to ensure that TRLIA has sufficient cash flows to continue to advance the Goldfields project.

An updated Pro Forma cash flow is presented in Table 6.

Table 6. Pro Forma Cash flow

Fiscal Year	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Starting Fund Balance	\$1,471,313	\$7,100,450	\$10,850,335	\$6,146,732	\$9,770,335	\$9,282,235
Expenditures						
Remaining WPIC Costs	\$3,320,835	\$57,897	\$237,000	\$0	\$0	\$0
Goldfields Costs*	\$2,834,604	\$5,904,780	\$14,802,000	\$337,000	\$0	\$0
Remaining FRLIP Costs	\$158,635	\$135,663	\$87,000	\$0	\$0	\$0
Remaining UYLIP Costs	\$149,815	\$155,402	\$500,000	\$0	\$0	\$0
Remaining 200-Year Compliance Work	\$12,000	\$12,000	\$5,000	\$1,000	\$0	\$0
Ongoing Environmental Compliance Costs	\$50,000	\$0	\$0	\$0	\$0	\$0
Other Remaining TRLIA Project Costs	\$308,913	\$5,130,786	\$3,500,000	\$36,000	\$36,000	\$36,000
TRLIA GO&A	\$542,500	\$1,217,279	\$3,326,160	\$480,000	\$480,000	\$480,000
Total Expenditures	\$7,377,302	\$12,613,808	\$22,457,160	\$854,000	\$516,000	\$516,000
Revenues						
DWR Proposition 1E - FRLIP Funds	\$791,144	\$2,857,067	\$266,305	\$0	\$0	\$0
DWR Proposition 1E - UYLIP Funds	\$2,174,921	\$2,015	\$3,725,667	\$1,054,602	\$0	\$0
DWR Goldfields Funds*	\$1,755,726	\$10,555,192	\$10,310,585	\$3,260,000	\$0	\$0
Other DWR Funding Sources	\$134,061	\$294,515	\$2,465,000	\$0	\$0	\$0
Local Funding	\$2,378,530	\$2,654,904	\$986,000	\$163,000	\$27,900	\$27,900
Total Revenues	\$7,234,382	\$16,363,693	\$17,753,558	\$4,477,602	\$27,900	\$27,900
Ending Balance	\$7,100,450	\$10,850,335	\$6,146,732	\$9,770,335	\$9,282,235	\$8,794,135

*Reflects costs and revenues from TRLIA's Goldfields 200-Year Feasibility Study work and associated YFFPP Prop 13 Grant

Source: 16497 TRLIA Cash Flow 07-13-20 Yuba EIP R2.xlsx

CONCLUSION

Based upon the information provided within this report TRLIA is compliant with the requirements of SB 5. More specifically that, in aggregate, from a revenues and expenses perspective, the progress of the work that will provide ULOP meets the requirements of Government Code §65007(a). TRLIA will continue to make progress and report on this progress annually. The next annual report will be submitted in August 2021.